

# **When and Why does Space Weather Forecasting Fail?**

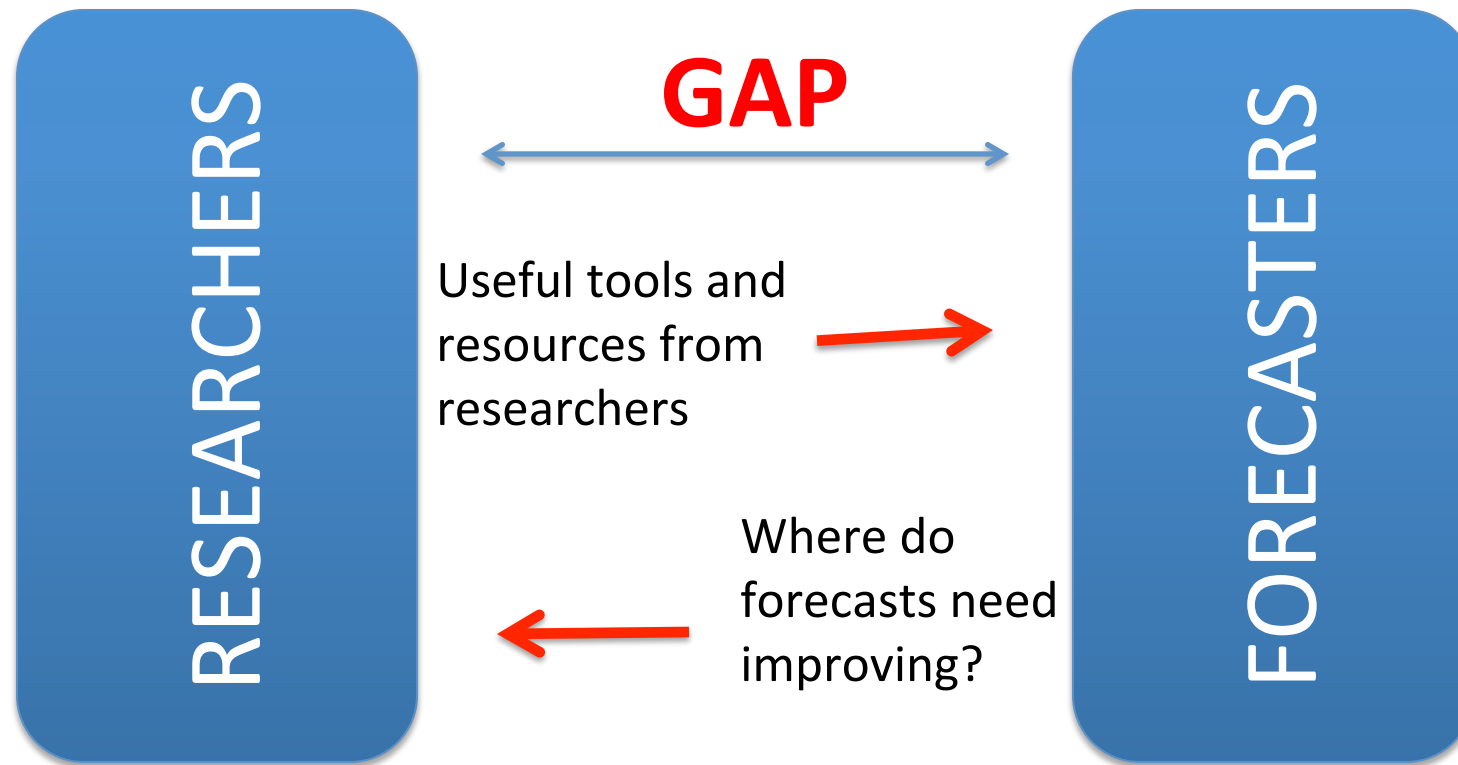
Rebekah Evans, Teresa Nieves, Ian Richardson, Neel Savani

- **Goals:**

To identify limitations in observations, modeling, forecasting methods, and our understanding of the physics involved.

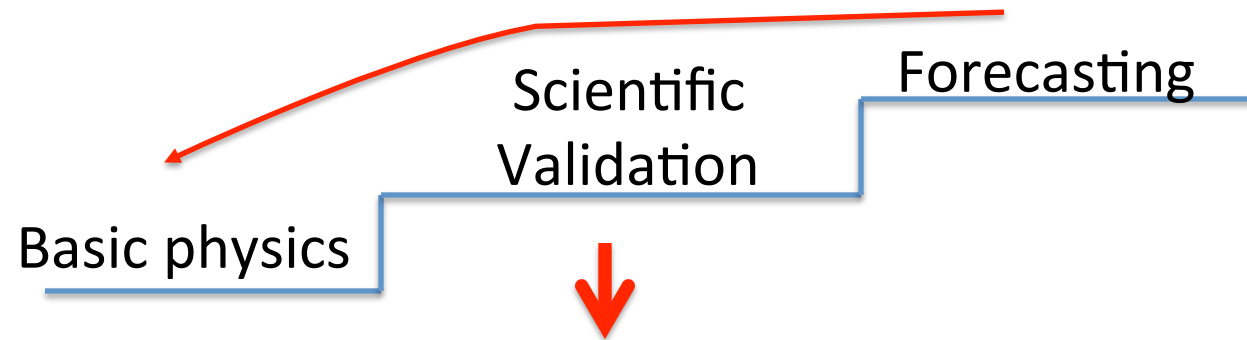
1. To identify specific events that have challenged forecasters and scientists.
2. To identify areas in which forecasting might be improved and the methods that might be employed

# What we need to know for better forecasting



- Identify areas in which forecasting might be improved and the methods that might be employed.
- Encourage participants to highlight their research tools and techniques under development that will aid future forecasting.

## Why did forecasting fail?



# Lessons learned and Challenges from SHINE

- Many of the models, techniques and resources proposed were in very first stages. More focused and useful methods/techniques required.
- Encourage the communication/discussion between forecasters and researchers (e.g., specifying instrumentation for the DisCOVR follow-on (Joan Burkpile)).
- Feedback on session- Most presentations discussed techniques and methods and did not address the title of the session – When does space weather forecasting fail?